

The European Commission's Institute for Transuranium Elements invites you to the Christmas lecture on 16th Dec. 2004 at 11:00 hrs:

Quest for the Georeactor, the Nuclear Sub-core of the Earth

by
J. Marvin Herndon
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"What is Earth? Poets say it's a celestial sapphire, a cerulean orb. Astronomers say it's a medium-size planet orbiting an average star. Some environmentalists say it's Mother. Biologists say it's life's only known home. But the most scientifically precise definition may prove to be the one that no one suspected. Earth, says geophysicist J. Marvin Herndon, is a gigantic natural nuclear power plant." wrote Brad Lemley, the author of Nuclear Planet, the cover story of the August 2002 issue of Discover Magazine that detailed ten years of georeactor research.

Nuclear reactors, first thought (erroneously) to be solely the creation of 20th Century Science, are very much a part of Nature. The fossil nuclear reactors discovered in Africa 32 years ago demonstrate that fact unambiguously. But natural nuclear fission may be far more important to humans than anyone has heretofore realized: We may owe the continuing well-being of our species, if not our very existence, to a nuclear reactor at the center of the Earth.

In his lecture, Dr. Herndon will sketch the story of the georeactor's discovery, beginning with the fundamental discovery that the Earth's deep interior is not as many scientists have assumed. Dr. Herndon is responsible for the concept, theoretically justified, of planetocentric georeactors, first explaining Jupiter's prodigious internal energy production and that of other giant celestial objects (Saturn and Neptune), and then for the Earth, as the energy source for the geomagnetic field.

Location: Institute for Transuranium Elements,
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Registration required – contact
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